Index of Subjects

aggregates

for concrete 291-300 bulk sampling 73-77

aquifers

automated monitoring of 351-358 crystalline basement 165-168

argillaceous rocks

classification 17-20, 38, 39 strength 20-22

borehole catchment modelling 138-142

Cammenellis Granite 279-290 Channel Tunnel 7-16 Coal Measures 217-225 concrete aggregates 291 computer applications 257-267, 269-277, 351-358

historical perspective 258, 269

data processing 191-206 downhole logs 343-348

fissured tills 331-342 fractures 379, 377

gas migration studies 47 geothermal energy 279 groundwater 160-162 conductivity 343-348 contamination 359-370, 371-376 flow estimates 159-164 sampling 145-167, 165

hydrogeological investigation
using downhole logs 343-349
using shallow reflection 207-216
hydrogeology
of Saq Formation 57-64
of Scotland 65-71

interaction matrices 93-105

joint condition factor 287 joint properties in the Cammenellis Granite 279-290

landfill sites 371-376 landslide 313-329 leachate 371 limestone conversion to dolomite 131-135

mineral waters 65-71
moisture condition value 372
mudrocks
engineering description of 17-30, 36
durability of 31-46
geological classification of 33

permeability
of clay 373
of fissured tills 331
of fracture zones 377-388
petrological microscopy
hydrogeological applications 159-164

rock mechanics interaction matrices 93-105 rock engineering problems 93-105 rock joints 279

sabhka clay 169-171
sand and dust control methods 83-92
sandstone strength 115-130
shallow seismology
application to hydrogeology 207-216
case histories 219-224, 227-237, 239-248, 250-255
history 177
in Coal Measures 217-226
in The Netherlands 250-255
in an intertidal area 227-238
principles 178, 179
problems 180
receivers 185
sources 184

Sherwood Sandstone
engineering behaviour 107
material strength 109, 110
macrofabric 110, 111
slake durability test 39
soil gas 47-56
swell potential 301-312

tunnelling: the Whittaker machine 81, 82

weathering in mudrocks 22,23 grades 26 well logging 344, 345

Index of Localities

Greece

Athens 301

Ireland

Co. Donegal 131-135

Netherlands

Dongen 250, 254 Rucphen 250 Drongelen 250, 253

Norway

Hvaler 377-388

Papua New Guinea 313

Saudi Arabia 83-92 Hail 57-64 Jeddah 169 Uganda 165-168

United Kingdom
Barry Island 228
Channel Tunnel 7-16
Dartmoor 47-56

Down Ampney 209 Hempscott North 218

Keekle 218, 219

London 351-358 London Docklands 257

Lostrigg 218, 221

Newton le Willows 343 Scotland 65-71

St Aidans 224

Stoke-on Trent 108

Index of Authors

Ageeb, A. E. 57

Banks, D. 377
Barker, R. D. 207
Bazuhair, A. G. 57
Bishop, P. K. 145
Bourg, A. C. M. 359
Brabham, P. J. 217, 227
Brassington, F. C. 343
Brown, E. T. 279
Burston, M. W. 145

Charlesworth, D. L. 165 Christodoulias, J. C. 301

Dale, S. G. 313 Davies, K. 207 Davies, K. J. 191 Deans, I. A. 269 Dick, J. C. 31

Evans, N. A. 351

Ferry, J. M. 65 Fookes, P. G. 313

Giannaros, H. Ch. 301 Glossop, R. 2 Gosk, E. 145 Goulty, N. R. 217

Harrison, J. P. 93 Hawkins, A. B. 17, 115 Hill, I. A. 183, 239 Hossain, D. 331 Howard, K. W. F. 165 Howland, A. F. 257, 269 Hudson, J. A. 93 Humphrey, R. D. 371 Hussein, M. T. 57

James, A. N. 169

King, R. F. 177, 191,207 Kragh, J. E. 217

Lerner, D. N. 137, 145 Little, A. L. 169 Lucey, P. A. 343

McConnell, B. J. 115 McDonald, R. J. 227 McNamara, K. 131 Meekes, J. A. C. 249 Miglio, B. 300 Morley, R. S. 269 Murray, E. J. 371

Nadon, R. 165

Peacock, A, J. 343 Pike, D. C. 73 Pinches, G. M. 17

Rix, D. W. 371 Robins, N. S. 65 Rohr-Torp, E. 377

Shakoor, A. 31 Sibley, R. D. 47 Sims, I. 291 Solbjorg, M. L. 377 Stamatopoulos, A. C. 301 Stipho, A. S. 83

Williams, D. M. 131

Yates, P. G. J. 107 Younger, P. L. 159

Zhao, J. 279

